



This is an adaptor that I have made up to fit a AR 20" barrel with an .721" OD, the flash hider is removed and the barrel is inserted in the .725ID portion and tightened, the rest of the suppressor uses 2" od exhaust tube, which is 1.875"ID, so it slips over the out side and is TIG welded in place, the baffles are made with welsh/freeze plugs of 1.7/8 dia, I used brass in the prototype for cost/ease of manufacture. the welsh plugs were centered in the lathe with small centre drill, then placed on mandrill and a 1/2" dia steel ball placed on centre mark and pressed until full depth, this puts a nice smooth dish in the freeze plug, it is then centred back in lathe and drilled with 1/4" drill, repeat this 9 times, press into tube, dish towards barrel, they will be tight because of when you pressed them, construct simple end cap out of MS to put over baffles and TIG in place. this design may be crude but holy shit it works, full power NATO spec 67 grain ball ammo, 20" barrel, inside a full closed tin workshop, (wear safety glasses) the sound is less than a .22rf firing shorts, no hearing protection required, it is as quiet as my suppressed .22rf pistol firing winchester XT pistol load.